

SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Liew et al. Attorney Docket: 3155/121

Serial No: 10/753,976 Art/Group Unit: 3737

Filing Date: January 7, 2004 Examiner Name: Ramirez, John Fernando

Conf. No.: 6434

Invention: METHODS OF PREDICTING MUSCULOSKELETAL DISEASE

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANTS' SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

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	AI	US 3,924,133	Dec. 2, 1975	Reiss	250/408
	AJ	US 4,012,638	Mar. 15, 1977	Altschuler et al.	250/491
	AK	US 4,126,789	Nov. 21, 1978	Vogl et al.	250/505
	AL	US 4,233,507	Nov. 11, 1980	Volz	250/252
	AM	US 4,251,732	Feb. 17, 1981	Fried	250/479
	AN	US 4,298,800	Nov. 3, 1981	Goldman	250/445T
	AO	US 4,356,400	Oct. 26, 1982	Polizzi et al.	378/138
	AP	US 4,400,827	Aug. 23, 1983	Spears	378/207
	AQ	US 4,593,400	Jun. 3, 1986	Mouyen	378/99
	AR	US 4,649,561	Mar. 10, 1987	Arnold	378/207
	AS	US 4,686,695	Aug. 11, 1987	Macovski	378/146
	AT	US 4,782,502	Nov. 1, 1988	Schultz	378/18
	AU	US 4,922,915	May 8, 1990	Arnold et al.	128/653 R
	AV	US 4,956,859	Sep. 11, 1990	Lanza et al.	378/157
	AW	US 4,985,906	Jan. 15, 1991	Arnold	378/18
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	AY	US 5,090,040	Feb. 18, 1992	Lanza et al.	378/62
	AZ	US 5,122,664	Jun. 16, 1992	Ito et al.	250/327.2
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	BB	US 5,150,394	Sep. 22, 1992	Karellas	378/62
	BC	US 5,172,695	Dec. 22, 1992	Cann et al.	128/653.1
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	BF	US 5,222,021	Jun. 22, 1993	Feldman et al.	364/413.14
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	BK	US 5,493,593	Feb. 20, 1996	Müller et al.	378/19
	BL	US 5,493,601	Feb. 20, 1996	Fivez et al.	378/207
	BM	US 5,513,240	Apr. 30, 1996	Hausmann et al.	378/170
	BN	US 5,521,955	May 28, 1996	Gohno et al.	378/18
	BO	US 5,537,483	Jul. 16, 1996	Stapleton et al.	382/309
	BP	US 5,562,448	Oct. 8, 1996	Mushabac	433/215
	BQ	US 5,565,678	Oct. 15, 1996	Manian	250/252.1
	BR	US 5,592,943	Jan. 14, 1997	Buhler et al.	128/661.03
	BS	US 5,600,574	Feb. 4, 1997	Reitan	364/552
	BT	US 5,657,369	Aug. 12, 1997	Stein et al.	378/208
	BU	US 5,687,210	Nov. 11, 1997	Maitrejean et al.	378/57
	BV	US 5,769,072	Jun. 23, 1998	Olsson et al.	128/205.13
	BW	US 5,769,074	Jun. 23, 1998	Barnhill et al.	128/630
	BX	US 5,772,592	Jun. 30, 1998	Cheng et al.	600/407
	BY	US 5,852,647	Dec. 22, 1998	Schick et al.	378/53
	BZ	US 5,864,146	Jan. 26, 1999	Karellas	250/581
	CA	US 5,886,353	Mar. 23, 1999	Spivey et al.	250/370.09
	CB	US 5,917,877	Jun. 29, 1999	Chiabrera et al.	378/5.3
	CC	US 5,931,780	Aug. 3, 1999	Giger et al.	600/407
	CD	US 5,945,412	Aug. 31, 1999	Fuh et al.	514/176
	CE	US 5,948,692	Sep. 7, 1999	Miyauti et al.	436/501
	CF	US 6,029,078	Feb. 22, 2000	Weinstein et al.	600/407
	CG	US 6,064,716	May 16, 2000	Siffert et al.	378/53
	CH	US 6,108,635	Aug. 22, 2000	Herren et al.	705/2
	CI	US 6,156,799	Dec. 5, 2000	Hartke et al.	514/573
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	CO	US 6,249,692	Jun. 19, 2001	Cowin	600/407
	CP	US 6,252,928	Jun. 26, 2001	MacKenzie	378/54
	CQ	US 6,285,901	Sep. 4, 2001	Taicher et al.	600/410
	CR	US 6,289,115	Sep. 11, 2001	Takeo	382/130
	CS	US 6,302,582	Oct. 16, 2001	Nord et al.	378/207
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	CV	US 6,377,653	Apr. 23, 2002	Lee et al.	378/54
	CW	US 6,411,729	Jun. 25, 2002	Grunkin	382/132
	CX	US 6,430,427	Aug. 6, 2002	Lee et al.	600/407
	CY	US 6,449,502	Sep. 10, 2002	Ohkubo	600/407
	CZ	US 6,463,344	Oct. 8, 2002	Pavloskaia et al.	700/98
	DA	US 6,501,827	Dec. 31, 2002	Takasawa	378/116
	DB	US 6,556,698	Apr. 29, 2003	Diano et al.	382/132
	DC	US 6,690,761	Feb. 10, 2004	Lang et al.	378/56
	DD	US 6,694,047	Feb. 17, 2004	Farrokhnia et al.	382/132
	DE	US 6,717,174	Apr. 6, 2004	Karellas	250/582
	DF	US 6,799,066	Sep. 28, 2004	Steines et al.	600/407
	DG	US 6,807,249	Oct. 19, 2004	Dinten et al.	378/54
	DH	US 6,811,310	Nov. 2, 2004	Lang et al.	378/169
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	DO	US 6,934,590	Aug. 23, 2005	Ogawa	700/19
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	DT	US 7,184,814	Feb. 27, 2007	Lang et al.	600/416
	DU	US 7,239,908	Jul. 3, 2007	Alexander et al.	600/427
	DV	US 7,245,697	Jul. 17, 2007	Lang	378/54
	DW	US 7,292,674	Nov. 6, 2007	Lang	378/54
	DX	US 7,379,529	May 27, 2008	Lang	378/54
	DY	US 7,467,892	Dec. 23, 2008	Lang et al.	378/207
	DZ	US 7,545,964	Jun. 9, 2009	Lang et al.	382/128
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	EF	US 2002/0159567	Oct. 31, 2002	Sako et al.	378/117
	EG	US 2002/0186818	Dec. 12, 2002	Arnaud et al.	378/165
	EH	US 2002/0194019	Dec. 19, 2002	Evertsz	705/2
	EI	US 2002/0196966	Dec. 26, 2002	Jiang et al.	382/132
	EJ	US 2003/0015208	Jan. 23, 2003	Lang et al.	128/922
	EK	US 2003/0198316	Oct. 23, 2003	Dewaele et al.	378/54
	EL	US 2004/0106868	Jun. 3, 2004	Liew et al.	600/442
	EM	US 2004/0242987	Dec. 2, 2004	Liew et al.	600/407
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	ER	US 2006/0062442	Mar. 23, 2006	Arnaud et al.	382/128
	ES	US 2007/0047794	Mar. 1, 2007	Lang et al.	382/132
	ET	US 2007/0274442	Nov. 29, 2007	Gregory et al.	378/54
	EU	US 2008/0031412	Feb. 7, 2008	Lang et al.	378/54
	EV	US 2008/0058613	Mar. 6, 2008	Lang et al.	600/300
	EW	US 2008/0097794	Apr. 24, 2008	Arnaud et al.	705/3
	EX	US 2008/0219412	Sep. 11, 2008	Lang	378/207
	EY	US 2009/0207970	Aug. 20, 2009	Lang	378/38
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	FD	DE	19853965 (English Abstract)	May 31, 2000	Siemens AG	A61F 2/28
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	FF	EP	0570936	Aug. 9, 2000	Aloka Co. Ltd.	A61B 8/08
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	GE	JP	62 266053 (English Translation of Claim 1)	Nov. 18, 1987		A61C 19/04
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	GQ	WO	99/052331	Oct. 14, 1999	Miles	H05G 1/10
	GR	WO	00/033157	Jun. 8, 2000	Hologic, Inc.	G06F
	GS	WO	01/038824	May 31, 2001	Hologic, Inc.	G01B 15/02
	GT	WO	01/063488	Aug. 30, 2001	Healthscreen International, Inc.	G06F 17/30
	GU	WO	01/065449	Sep. 7, 2001	Medeview.com, Inc.	G06F 17/60
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	GY	WO	03/073232	Sep. 4, 2003	Imaging Therapeutics, Inc.	G06F
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	HB	WO	2004/025541	Mar. 25, 2004	Imaging Therapeutics, Inc.	G06F 19/00
	HC	WO	2004/062495	Jul. 29, 2004	Imaging Therapeutics, Inc.	A61B 5/00
	HD	WO	2004/086972	Oct. 14, 2004	Imaging Therapeutics, Inc.	A61B 6/00
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	HK	Bauer et al.	"Biochemical Markers of Bone Turnover and Prediction of Hip Bone Loss in Older Women: The Study of Osteoporotic Fractures," <i>Journal of Bone and Mineral Research</i> , Vol. 14, pp. 1404-1410 (1999)
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	HN	Cootes et al.	"Anatomical statistical models and their role in feature extraction," <i>The British Journal of Radiology</i> , Special Issue, 7 pages [S133-S139] (2004)

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	HQ	Crabtree et al.	"Improving Risk Assessment: Hip Geometry, Bone Mineral Distribution and Bone Strength in Hip Fracture Cases and Controls. The EPOS Study," <i>Osteoporosis Int.</i> , Vol. 13, pp. 48-54 (2002)
	HR	Crawley	"In Vivo Tissue Characterization Using Quantitative Computed Tomography: A Review," <i>Journal of Medical Engineering & Technology</i> , Vol. 14, No. 6, pp. 233-242 (1990)
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	HU	Duryea et al.	"Trainable rule-based algorithm for the measurement of joint space width in digital radiographic images of the knee," <i>Medical Physics</i> , Vol. 27, No. 3, pp. 580-591 (2000)

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	HW	Fleute et al.	"Incorporating a statistically based shape model into a system for computer-assisted anterior cruciate ligament surgery," <i>Medical Image Analysis</i> , Vol. 3, No. 3, pp. 209-222 (1999)
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	IA	Grisso et al.	"Risk Factors for Falls as a Cause of Hip Fracture in Women. The Northeast Hip Fracture Study Group," <i>N. Engl. J. Med.</i> , (Abstract Page Only), 1 page, Vol. 324, No. 19 (1991)
	IB	Gudmundsdottir et al.	"Vertebral Bone Density in Icelandic Women Using Quantitative Computed Tomography Without an External Reference Phantom," <i>Osteoporosis Int.</i> , Vol. 3, pp. 84-89 (1993)

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Applicants: Liew et al.

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Examiner Name: Ramirez, John Fernando

Conf. No.: 6434

Invention: METHODS OF PREDICTING MUSCULOSKELETAL DISEASE

**LIST OF PATENTS AND PUBLICATIONS FOR
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OTHER DOCUMENTS			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	IC	Hayes et al.	"Biomechanics of Cortical and Trabecular Bone: Implications for Assessment of Fracture Risk," Basic Orthopaedic Biomechanics, 2nd Ed., Ch. 3, pp. 69-111 (1997)
	ID	Hayes et al.	"Biomechanics of Fracture Risk Prediction of the Hip and Spine by Quantitative Computed Tomography," <i>Radiologic Clinics of North America</i> , Vol. 29, No. 1, pp. 1-18 (1991)
	IE	Hayes et al.	"Impact Near the Hip Dominates Fracture Risk in Elderly Nursing Home Residents Who Fall," <i>Calcif. Tissue Int.</i> (Abstract Page Only), 1 page, Vol. 52, No. 3 (1993)
	IF	Hedström et al.	"Biochemical Bone Markers and Bone Density in Hip Fracture Patients," <i>Acta Orthop. Scand.</i> , Vol. 71, No. 4, pp. 409-413 (2000)
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	IH	Ikuta et al.	"Quantitative Analysis Using the Star Volume Method Applied to Skeleton Patterns Extracted with a Morphological Filter," <i>Journal of Bone and Mineral Metabolism</i> , Vol. 18, pp. 271-277 (2000)
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	IN	Lang et al.	"Osteoporosis - Current Techniques and Recent Developments in Quantitative Bone Densitometry" <i>Radiologic Clinics of North America</i> , Vol. 29, No. 1, pp. 49-76 (1991)
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	IP	Mourtada et al.	"Curved Beam Model of the Proximal Femur for Estimating Stress Using Dual-Energy X-Ray Absorptiometry Derived Structural Geometry," <i>J. Ortho. Res.</i> , Vol. 14, No. 3, pp. 483-492 (1996)
	IQ	Ouyang et al.	"Morphometric Texture Analysis of Spinal Trabecular Bone Structure Assessed Using Orthogonal Radiographic Projections," <i>Med. Phys.</i> , Vol. 25, No. 10, pp. 2037-2045 (1998)
	IR	Pharoah	"X-Ray Film, Intensifying Screens, and Grids," Ch. 4, Section 4: Imaging Principles and Techniques, <i>Oral Radiology</i> , 4th ed., pp. 68-76 (2000)
	IS	Pinilla et al.	"Impact Direction from a Fall Influences the Failure Load of the Proximal Femur as Much as Age-Related Bone Loss," <i>Calcified Tissue International</i> , Vol. 58, pp. 231-235 (1996)
	IT	Riggs et al.	"Changes in Bone Mineral Density of the Proximal Femur and Spine with Aging: Differences Between the Postmenopausal and Senile Osteoporosis Syndromes," <i>J. Clin. Invest.</i> , Vol. 70, pp. 716-723 (1982)
	IU	Sandler et al.	"An Analysis of the Effect of Lower Extremity Strength on Impact Severity During a Backward Fall," <i>Journal of Biomechanical Engineering</i> , Vol. 123, pp. 590-598 (2001)

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	IV	Southard et al.	"The Relationship Between the Density of the Alveolar Processes and that of Post-cranial Bone," <i>J. Dent. Res.</i> , Vol. 79, No. 4, pp. 964-969 (2000)
	IW	Van den Kroonenberg et al.	"Dynamic Models for Sideways Falls from Standing Height," <i>Journal of Biomechanical Engineering</i> , Vol. 117, pp. 309-318 (1995)
	IX	Yoshikawa et al.	"Geometric Structure of the Femoral Neck Measured Using Dual-Energy X-Ray Absorptiometry," <i>J. Bone Miner. Res.</i> , Vol. 10, No. 3, p. 510 (Abstract Only) (1995)
	IY	European Patent Office	EPO Communication – Appl. No. 04 700 619.2, dated December 13, 2007 (3 pages)
	IZ	European Patent Office	EPO Communication – Appl. No. 04 700 619.2, dated July 17, 2008 (4 pages)
	JA	International Searching Authority	International Preliminary Examination Report – Appl. No. PCT/US2003/030004, dated July 27, 2004 (2 pages)
	JB	International Searching Authority	International Search Report – Appl. No. PCT/US2003/030004, dated February 25, 2004 (5 pages)
	JC	United States Patent and Trademark Office	Copy of Office Action (Restriction Requirement) - Appl. No. 10/665,725, dated August 16, 2006 (6 pages)

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	JE	United States Patent and Trademark Office	Copy of Office Action (Restriction Requirement) - Appl. No. 10/665,725, dated June 1, 2007 (10 pages)
	JF	United States Patent and Trademark Office	Copy of Office Action - Appl. No. 10/665,725, dated March 13, 2008 (11 pages)
	JG	United States Patent and Trademark Office	Copy of Office Action - Appl. No. 10/665,725, dated November 28, 2008 (8 pages)
	JH	United States Patent and Trademark Office	Copy of Final Office Action - Appl. No. 10/665,725, dated August 28, 2009 (10 pages)
	JI	United States Patent and Trademark Office	Copy of Office Action - Appl. No. 10/665,725, dated April 29, 2010 (26 pages)

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Serial No:	10/753,976	Art/Group Unit:	3737
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		Conf. No.:	6434
Invention:	METHODS OF PREDICTING MUSCULOSKELETAL DISEASE		

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Examiner Signature: /John Ramirez/ (06/17/2010)

Date Considered: _____

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